



Attorney's Docket No.: 42390P10775

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Gardner

Application No. 09/766,162

Filed: 01/19/2001

For: INTEGRATED INDUCTOR

Examiner: Tuyen T. Nguyen

Art Unit: 2832

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INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.98 (a)(3)(i), below follows a concise explanation for the reference in Chinese which is listed on the attached 1449 pages.

ROC (Taiwan) Patent Publication No. 386310, published April 1, 2000.

#### SUMMARY

Discloses a method of manufacturing a micro inductor. In the method, a substrate is provided and an insulating layer, a first metal layer, a first dielectric layer, a barrier layer, a second metal layer, an anti-reflective layer, a second dielectric layer, a third metal layer, a third dielectric layer and a passivation layer are formed in sequence on the substrate. In addition, the method comprises a step of forming a high ferro-magnetic material layer inside a micro channel by electroplating using the barrier layer as an electrode, thereby increasing the quality factor and efficiency of an inductor.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

  X   37 C.F.R. §1.97(b).

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       A statement pursuant to 37 C.F.R. §1.97(e) or

       A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

       37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 5/11, 2004

  
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Substitute for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b> Application Number: 09/766,162 Filing Date: 01/19/2001 First Named Inventor: Donald S. Gardner Art Unit: 2832 Examiner Name: Nguyen, Tuyen T. Attorney Docket Number: 42390P10775		
Sheet	1	of 2				
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (If known)				
		US-	4,816,784	03-28-1989	Rabjohn	
		US-	5,121,852	06-16-1992	Wilkes	
		US-	5,469,399	11-21-1995	Sato et al.	
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<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			Application Number	09/766,162
			Filing Date	01/19/2001
			First Named Inventor:	Donald S. Gardner
			Art Unit	2832
			Examiner Name	Nguyen, Tuyen T.
			Attorney Docket Number	42390P10775
Sheet	2	of 2		
<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
		ROC (Taiwan) Patent Publication No. 378417 published January 1, 2000.		
		ROC (Taiwan) Patent Publication No. 411481 published November 11, 2000.		
		ROC (Taiwan ) Patent Publication No. 386310, published April 1, 2000.		

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